

CubChat: A Study Networking App

High Level Requirements

Prepared by CubChat:

Abdullah Alshehri

Daniel Gomez

Craig Moir

Brandon Leger

Matthew Sirkot

Advisor: Michael C. Melusky

1. Purpose

Studying and socializing are critical to the success of Penn State students. This application bridges the gap between students and their community resources. It provides an interactive social network that allows students to communicate with and meet up with their peers in order to study and participate in extracurricular activities. This application will create a more supportive and engaged campus community.

2. Glossary

a. User

A person who actively participates at the Penn State Harrisburg Campus and uses the app.

b. Group

A collective of two or more Users that can interact with each other.

c. Board

A place for Users in a group to discuss topics relevant to their Group.

d. Event

A meeting scheduled for Users with a time, location, name, and (optional) description.

e. Leader

The User that has remained in the group the longest. Upon creation of a Group, the User that created the group is automatically deemed the Leader.

f. **Admin**

A staff member who can delete inappropriate content and ban users in exigent circumstances.

g. **Moderator**

A User who has been delegated authority from a Group's Leader. A Moderator has the ability to do everything that the Leader of a Group may do except deleting the Group and promoting other Users to Moderators.

h. **Personal Details**

A User's phone number, profile description, and profile picture.

i. **Reputation**

A measure of a User's reputation, based on the number of times other Users have hit the Thanks Button on their Posts.

j. **Thanks Button**

A button that appears underneath every Post. When clicked, the Reputation of the User who created that Post will increment by one.

3. **High-Level Requirements**

User:

- a. Users must be able to register
- b. Users must be able to login
- c. Users must have access to a map of the campus
- d. Users must be able to mark their location and availability
- e. Users must be able to search for a list of other Users
 - i. Users may be able to find people based on their course history, location and availability, ordered by Reputation in descending order.
- f. Users must have a profile
 - i. Users must have a profile picture.
 - ii. Users must have a description.
 - iii. Users may have a phone number.

- iv. Users must have the option to display and change Personal Details.
- g. Users must be able to create Groups
 - i. Users must be deemed the Leader of their Group upon the Group's creation.
 - ii. Leaders of groups must be able to delete Groups, add/remove members
 - iii. Leaders must be able to make Users into Moderators
 - 1. Moderators must be able to ban Users
 - 2. Moderators must be able to delete Boards, delete Posts, ban Members, delete Events.
 - iv. The Leader must be able to set the Group as public or private. Members of private groups may be able to invite others to join.
 - v. Users must be able to create Boards within the Group
 - vi. Users must be able to create Posts within Boards within the Group
 - vii. Groups must have a calendar that Users in the group can view
- h. Users must be able to leave Groups
- i. Users must be able to create Events
 - i. Users must be able to invite other Users to see or participate in events
 - ii. Users who created an event must be able to remove Users from the event
 - iii. Users must be able to see on the map where the event will take place
 - iv. Users must be able to see public events
 - v. Users must be able to join events
- j. Users must be able submit course history to the app
 - i. Users must be able to allow other Users to see if they are currently or have previously taken a course another User is currently taking
 - ii. Users must be able to signify to other users that they are willing to answer questions if they have previously taken the same course a User is taking
- k. Admin must be able to perform the abilities of any Leader.
- l. Admin must be able to view engagement metrics on a site-wide and per-group basis.